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### (54) AMPHOTERIC SURFACE ACTIVE COMPOUND AND PREPARATION THEREOF

(57)Abstract:

PURPOSE: To obtain a compound showing excellent surface activity in a usually used salt form and capable of being used as a detergent, a penetrating agent, an emulsifier, dispersant, a blowing agent, a wetting agent or an antistatic agent, by preparing an amphoteric surface active compound represented by formula.

CONSTITUTION: An amphoteric surface active compound represented by formula

$\text{RO}(\text{R}'\text{O})_n\text{CH}_2\text{C}(\text{OH})\text{HCH}_2\text{-N}(\text{CH}_2\text{CH}_2\text{COO})\text{-R}''$  [wherein R is an 8W24C alkyl group or an alkenyl group, R' is an ethylene group or ethylene and propylene groups, (n) is an integer of 1W50 and R'' is a 5C or less alkyl group] is prepared. This amphoteric surface active compound is usually used in a salt form and shows excellent surface activity and used as a detergent, a penetrating agent, an emulsifier, a dispersant, a blowing agent, a wetting agent or an antistatic agent.

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表2 実施例1～18の溶解性と界面活性

実施例	溶 解 性				表面張力 dyne/cm	
	蒸留水	エタノール	1% NaOH	1% HCl	1%	0.1%
1	透明溶解	透明溶解	透明溶解	透明溶解	32	32
2	"	"	"	"	33	35
3	"	"	"	"	31	33
4	"	"	"	"	37	40
5	"	"	"	"	40	40
6	"	"	"	"	36	38
7	"	"	"	"	36	37
8	"	"	"	"	33	35
9	"	"	"	"	41	44
10	"	"	"	"	42	44
11	"	"	"	"	30	33
12	"	"	"	"	32	34
13	"	"	"	"	31	33
14	"	"	"	"	34	36
15	"	"	"	"	37	39
16	"	"	"	"	33	35
17	"	"	"	"	30	32
18	"	"	"	"	41	43

溶解性は実施例1～18:1%、テスト液:0.9%

を混合し20℃での状態を示す。